

Each question will have a total point value. To practice for the conditions of the test give yourself 47 minutes. Then check the answer key, Take the total points you got correct divided by the overall to see where you currently stand. Bring to class to ask questions.

Solve. 4 pts each

1. $4 - t = 12$

$$t = -8$$

2. $\frac{2}{3} = \frac{4}{5} + \frac{1}{15}x$

$$x = -2$$

3. $17 = 3p - 5 + 8$

$$p = 8$$

4. $7 - 5x + 5 = 37$

$$x = -11$$

5. $\frac{1}{3}l - \frac{3}{4} = \frac{5}{6} + \frac{5}{12}l$

$$l = -19$$

6. $5x - 3 = 6 - 2x + 1$

$$x = \frac{19}{7}$$

7. $12x - 3 - 7x - 8 = 9x - 13 - 22$

$$x = 6$$

8. $x - 4 - 3x = -2x - 3 - 1$

All Real Numbers

9. $8x - 12 - 6x = 2x - 5$

No Solution

Solve for the indicated variable. (3pts each)

10. $f = \frac{5e-w}{i}$ for w .

$$w = 5e - if$$

11. $mt = slb$ for b .

$$b = \frac{mt}{sl}$$

Solve. 2 pts each

12. $2m = 6$

$$m = 3 \text{ or } m = -3$$

13. $-5x = -40$

$$x = 8 \text{ or } x = -8$$

Solve. 4 pts each

14. $x + 5 = 3$

$x = -2 \text{ or } x = -8$

15. $2x - 5 - 6 = -2$

$x = 7 \text{ or } x = 3$

16. $x - 8 = -4$

No Solutions

17. $\frac{r+2}{3} = 4$

$r = 10 \text{ or } r = -14$

18. $\frac{x}{7} + 3 = 5$

$x = 14 \text{ or } x = -14$